

Innovative Airworthiness Certification Concepts and Quality Assurance Processes for the PAV, Phase I

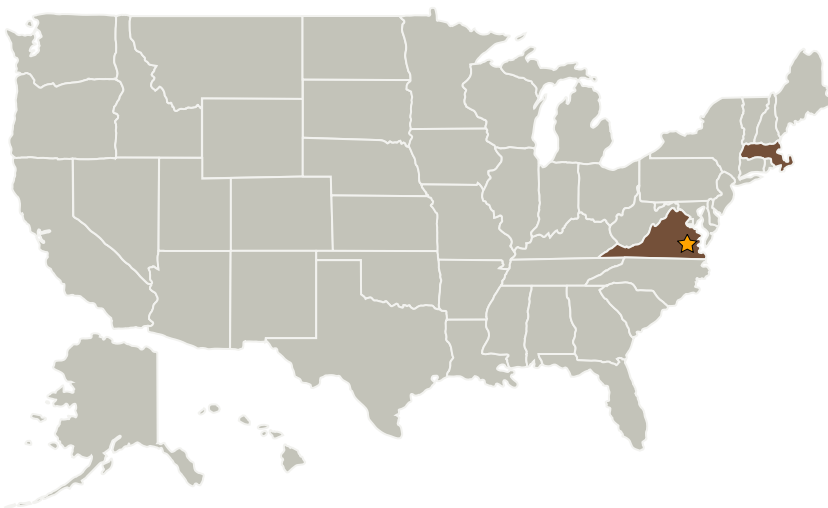
Completed Technology Project (2005 - 2006)



Project Introduction

We propose to develop a foundation for the Airworthiness Certification of the Personal Air Vehicle (PAV). This framework will recommend a model for Quality Assurance, consistent with the "consensus" based industry standards, and acceptable to the FAA. Further, our focus will include the review of certain FAA Regulations (CFAR) that create economic barriers to entry to the aircraft industry for high-volume automotive manufacturers and to offer alternative concepts for certification that remove or reduce these barriers.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Langley Research Center (LaRC)	Lead Organization	NASA Center	Hampton, Virginia
NexTechnologies International Corporation	Supporting Organization	Industry	Westford, Massachusetts

Primary U.S. Work Locations

Massachusetts	Virginia
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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Langley Research Center (LaRC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Technology Areas

Primary:

- TX15 Flight Vehicle Systems
 - └ TX15.1 Aerosciences
 - └ TX15.1.6 Advanced Atmospheric Flight Vehicles